

## Patent Claims

1. A hydrophobic, pyrogenically produced silica, having a tamped density of 55 to 200 g/l.
2. The hydrophobic, pyrogenically produced silica according to claim 1 having a tamped density of 60 to 200 g/l.
- 5 3. The hydrophobic, pyrogenically produced silica according to claim 1 which is hydrophobicized by reaction with a halogen-free silane.
4. The hydrophobic, pyrogenically produced silica according to claim 4 wherein said silica has a chloride content of less than or equal to 100 ppm.
5. A process for the production of the hydrophobic, pyrogenically produced silica as claimed in  
10 claim 1, comprising hydrophobizing pyrogenically produced silica and then compacting said silica.
6. The process according to claim 5 wherein said compacting is by roller compactor.
7. The process according to claim 5 wherein said compacting is by belt filter press.
8. A hydrophobic, pyrogenically produced silica having been produced by the process of claim  
15 5.
9. Use of the hydrophobic, pyrogenically produced silica as claimed in claim 1 for the production of dispersions.
10. A dispersion of a hydrophobic, pyrogenically produced silica produced by the process of claim 5.